

Virtual Simulation and Confidence Building: Pharmacy Students' Experiences with MyDispense in Pharmaceutical Care at Libyan International University
Amena Hammuda

Abstract

Background: In-person instruction was disrupted by COVID-19, particularly for practical subjects like pharmacy. In response, Libyan International University integrated MyDispense to uphold safety regulations and provide high-quality instruction. My Dispense has now grown to be a crucial component of pharmacy programs. The purpose of this study is to determine the benefits and drawbacks of virtual simulation, as well as the suggestions made by the students that might help to enhance the features that can help them become more proficient. Methodology: The exploratory sequential design (a mixed-method design) gradually carries out the qualitative and quantitative stages of data gathering and analysis, utilizing an online questionnaire that is sent to students. This is done by employing a survey questionnaire to collect data from participants. Result: The study included 150 participants, of whom 42.2% were men and 58% were women. MyDispense was used by participants at different academic levels; During IPPE1, IPPE2 & APPE training, 36.7% of them used it, 32.0% during summer training (IPPE1 & IPPE2, and 6% during the MCP program. According to most participants, MyDispense improved their dispensing abilities, especially in prescription interpretation 40% and drug mistake reduction 34%. Additionally, 60% said MyDispense was a useful resource for pharmacy education. Important advantages, including realistic case simulations, participatory learning, and enhanced prescription processing, were emphasized in qualitative comments. Technical difficulties, navigation difficulties, and limited real-world application were among the hurdles that were reported. Conclusion: The pharmacy curriculum at LIMU has effectively included MyDispense, which has improved students' abilities and self-esteem. Because of how well it develops skills and prepares students for the actual world, student feedback strongly supports its ongoing usage. The study suggests keeping MyDispense integrated to improve student learning even further.

Keywords: MyDispense, Pharm D, Pharmacy education, Confidence level, Skill development.